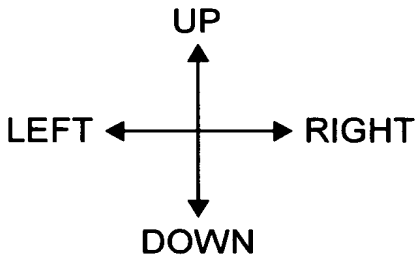
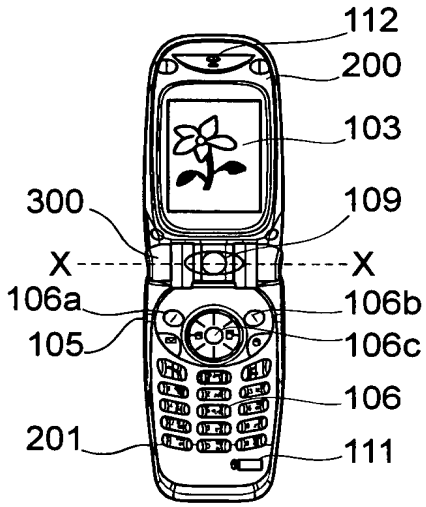
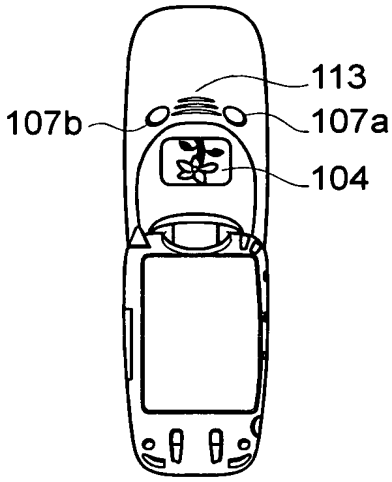
FIG.1


UP
LEFT
RIGHT
DOWN

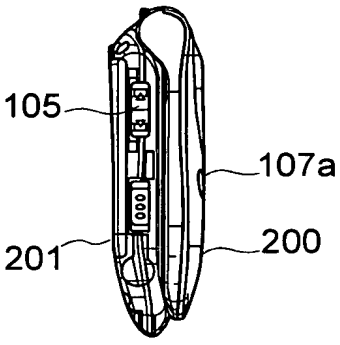
(1)


112
200
103
300
109
X
X
106a
106b
105
106c
106
201
111

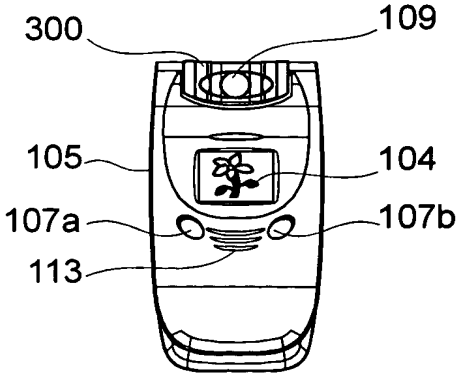
(2)


113
107b
107a
104

(3)


105
107a
201
200

(4)


300
109
105
104
107a
107b
113

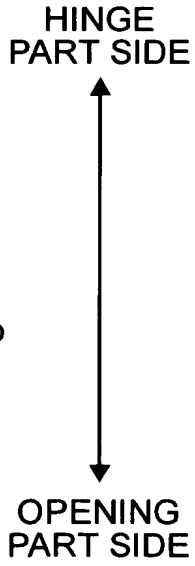

HINGE
PART SIDE
OPENING
PART SIDE

FIG.2

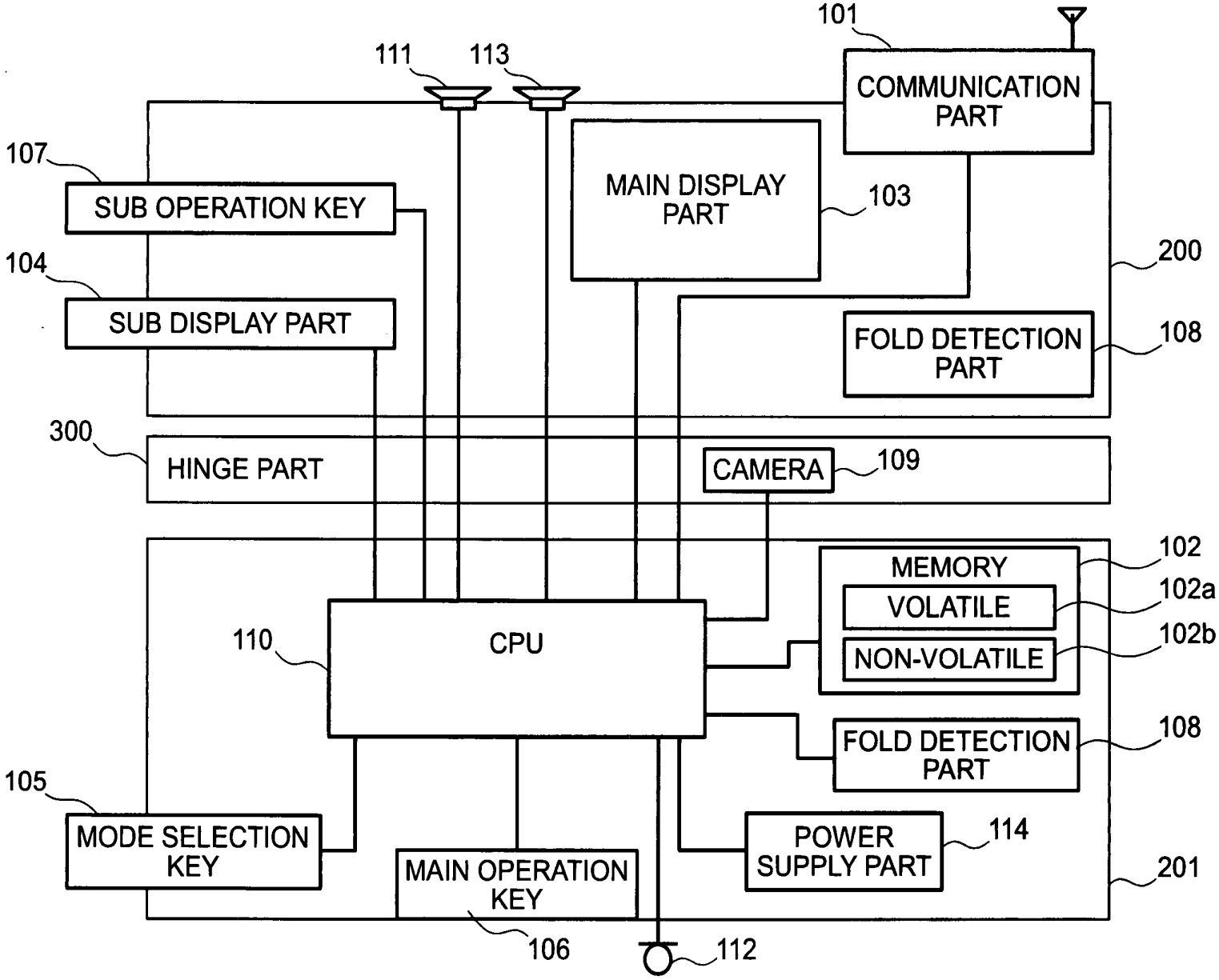

101
111
113
COMMUNICATION PART
107
SUB OPERATION KEY
MAIN DISPLAY PART
103
104
SUB DISPLAY PART
200
FOLD DETECTION PART
108
300
HINGE PART
CAMERA
109
102
MEMORY
102a
VOLATILE
102b
NON-VOLATILE
110
CPU
FOLD DETECTION PART
108
105
MODE SELECTION KEY
MAIN OPERATION KEY
POWER SUPPLY PART
114
201
106
112

FIG.3

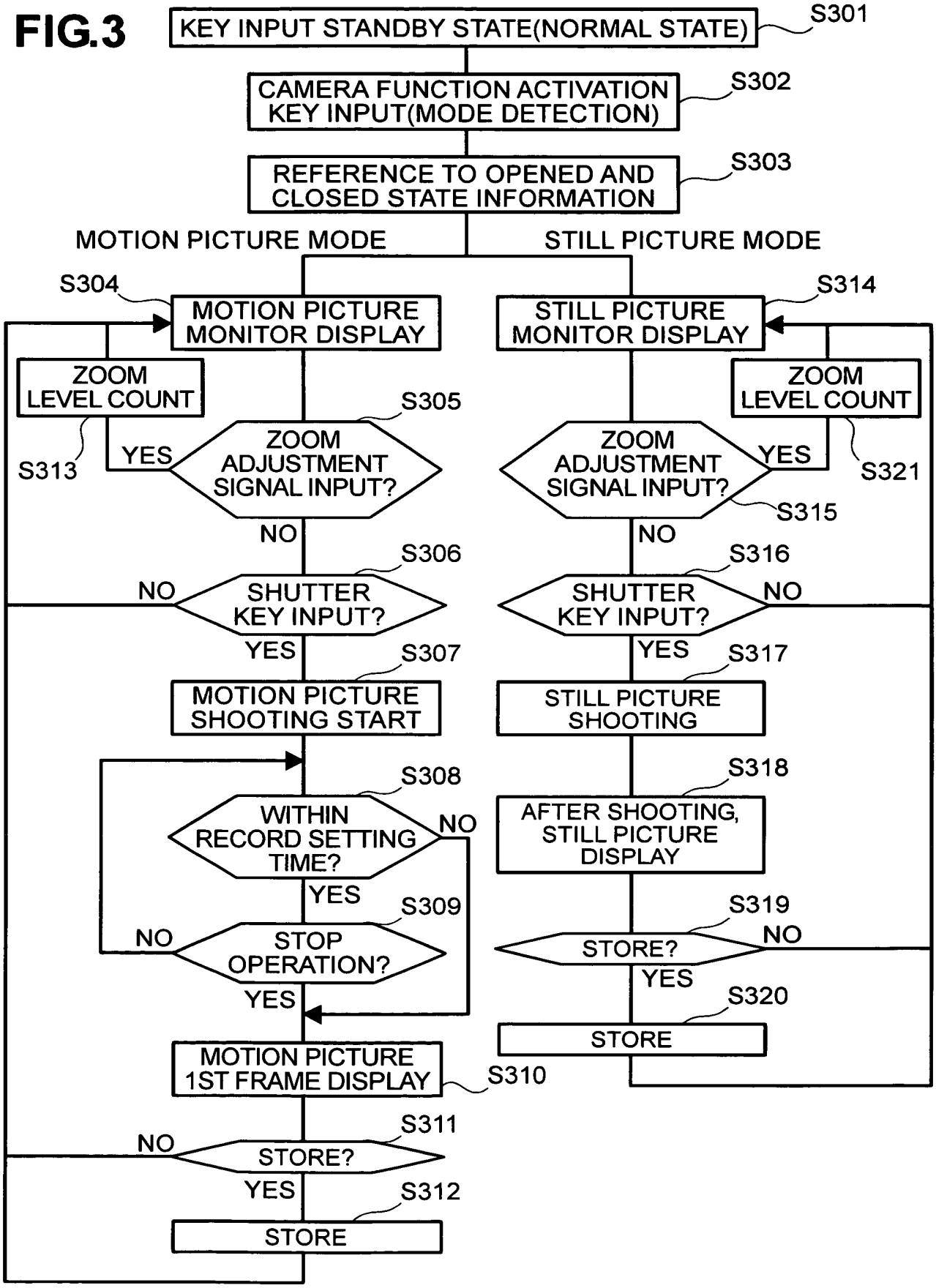

KEY INPUT STANDBY STATE(NORMAL STATE)
S301
CAMERA FUNCTION ACTIVATION KEY INPUT(MODE DETECTION)
S302
REFERENCE TO OPENED AND CLOSED STATE INFORMATION
S303
MOTION PICTURE MODE
STILL PICTURE MODE
S304
MOTION PICTURE MONITOR DISPLAY
S314
STILL PICTURE MONITOR DISPLAY
ZOOM LEVEL COUNT
S313
S305
ZOOM ADJUSTMENT SIGNAL INPUT?
YES
NO
ZOOM LEVEL COUNT
S321
ZOOM ADJUSTMENT SIGNAL INPUT?
S315
S306
SHUTTER KEY INPUT?
NO
S316
SHUTTER KEY INPUT?
NO
YES
S307
MOTION PICTURE SHOOTING START
S317
STILL PICTURE SHOOTING
S308
WITHIN RECORD SETTING TIME?
NO
S318
AFTER SHOOTING, STILL PICTURE DISPLAY
S309
STOP OPERATION?
NO
S319
STORE?
NO
S320
STORE
MOTION PICTURE 1ST FRAME DISPLAY
S310
S311
STORE?
NO
S312
STORE

FIG.4

IMAGE NUMBER	IMAGE DATA NAME	DATA FORMAT	DATA CAPACITY	SHOOTING DATA	GPS ADDITIONAL INFORMATION
01	CAR	MP4	40Mb	02/8/20	NO
02	FLOWER	JPG	100kb	02/8/30	GPS

	COPYRIGHT INFORMATION		
IMAGE NUMBER	MAIL ATTACHEMENT AVAILABILITY	SERIAL TRANSFER AVAILABILITY	NUMBER OF FEASIBLE REPRODUCTION
01	YES	YES	NO LIMIT
02	YES	YES	NO LIMIT

FIG.5

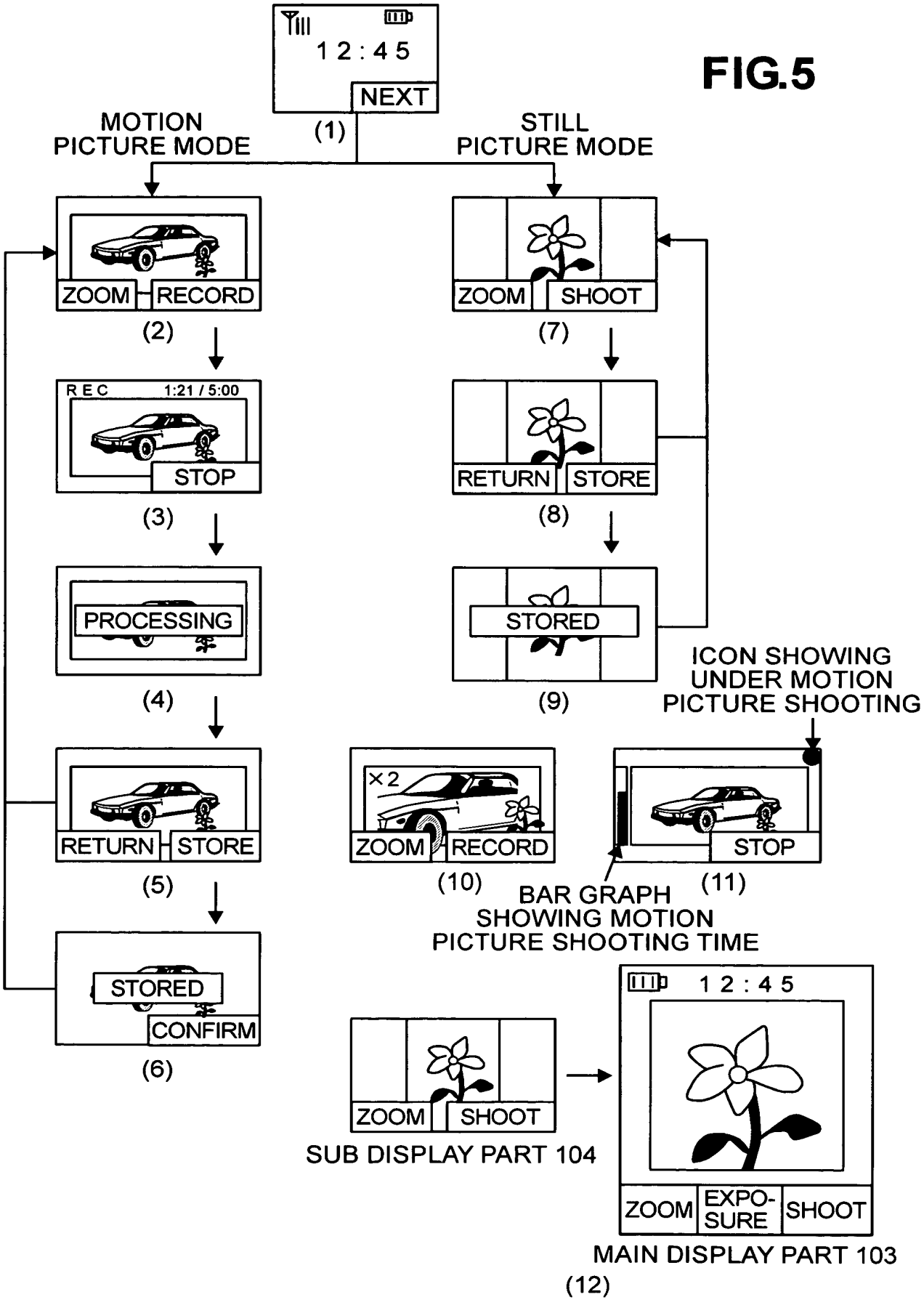
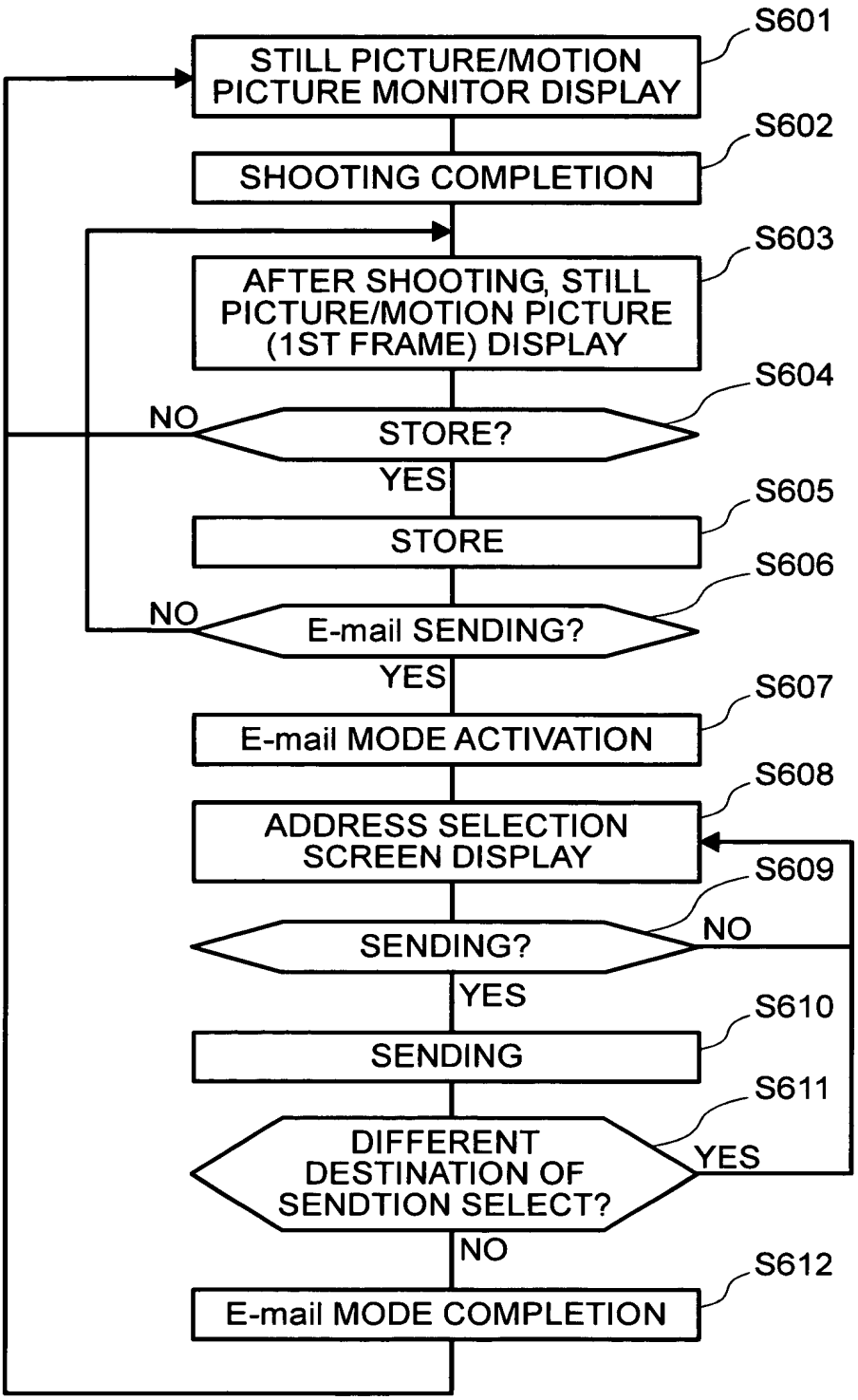

12:45
NEXT
(1)
MOTION PICTURE MODE
STILL PICTURE MODE
ZOOM
RECORD
(2)
REC 1:21 / 5:00
STOP
(3)
PROCESSING
(4)
RETURN
STORE
(5)
STORED
CONFIRM
(6)
ZOOM
SHOOT
(7)
RETURN
STORE
(8)
STORED
(9)
ICON SHOWING UNDER MOTION PICTURE SHOOTING
×2
ZOOM
RECORD
(10)
STOP
(11)
BAR GRAPH SHOWING MOTION PICTURE SHOOTING TIME
ZOOM
SHOOT
SUB DISPLAY PART 104
12:45
ZOOM
EXPO-SURE
SHOOT
MAIN DISPLAY PART 103
(12)

FIG.6


S601
STILL PICTURE/MOTION PICTURE MONITOR DISPLAY
S602
SHOOTING COMPLETION
S603
AFTER SHOOTING, STILL PICTURE/MOTION PICTURE (1ST FRAME) DISPLAY
S604
STORE?
NO
YES
S605
STORE
S606
E-mail SENDING?
NO
YES
S607
E-mail MODE ACTIVATION
S608
ADDRESS SELECTION SCREEN DISPLAY
S609
SENDING?
NO
YES
S610
SENDING
S611
DIFFERENT DESTINATION OF SENDTION SELECT?
YES
NO
S612
E-mail MODE COMPLETION

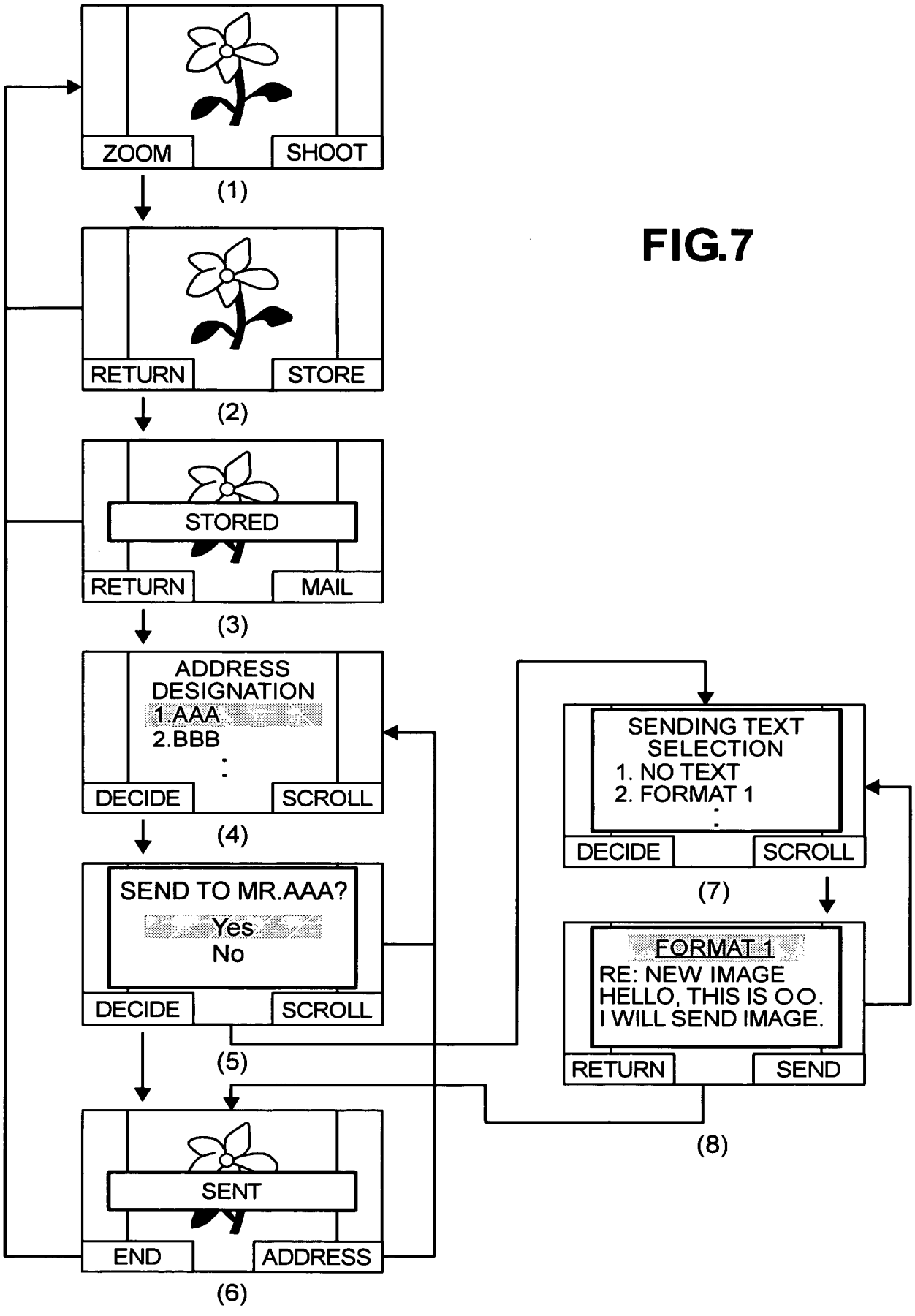
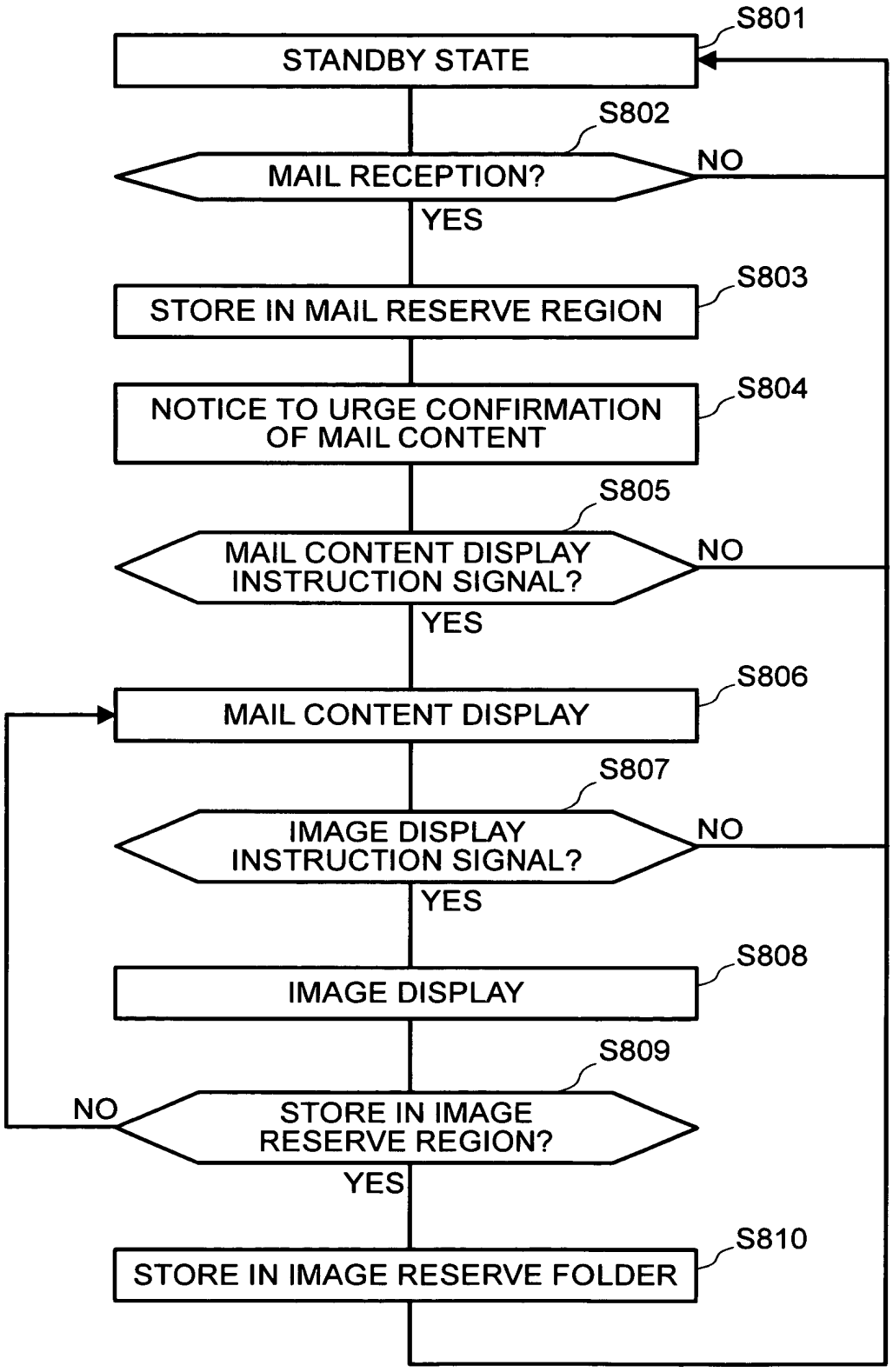

ZOOM
SHOOT
(1)
RETURN
STORE
(2)
STORED
RETURN
MAIL
(3)
ADDRESS DESIGNATION
1.AAA
2.BBB
DECIDE
SCROLL
(4)
SEND TO MR.AAA?
Yes
No
DECIDE
SCROLL
(5)
SENT
END
ADDRESS
(6)
SENDING TEXT SELECTION
1. NO TEXT
2. FORMAT 1
DECIDE
SCROLL
(7)
FORMAT 1
RE: NEW IMAGE
HELLO, THIS IS OO.
I WILL SEND IMAGE.
RETURN
SEND
(8)

FIG.7

FIG.8


S801
STANDBY STATE
S802
MAIL RECEPTION?
NO
YES
S803
STORE IN MAIL RESERVE REGION
S804
NOTICE TO URGE CONFIRMATION OF MAIL CONTENT
S805
MAIL CONTENT DISPLAY INSTRUCTION SIGNAL?
NO
YES
S806
MAIL CONTENT DISPLAY
S807
IMAGE DISPLAY INSTRUCTION SIGNAL?
NO
YES
S808
IMAGE DISPLAY
S809
STORE IN IMAGE RESERVE REGION?
NO
YES
S810
STORE IN IMAGE RESERVE FOLDER

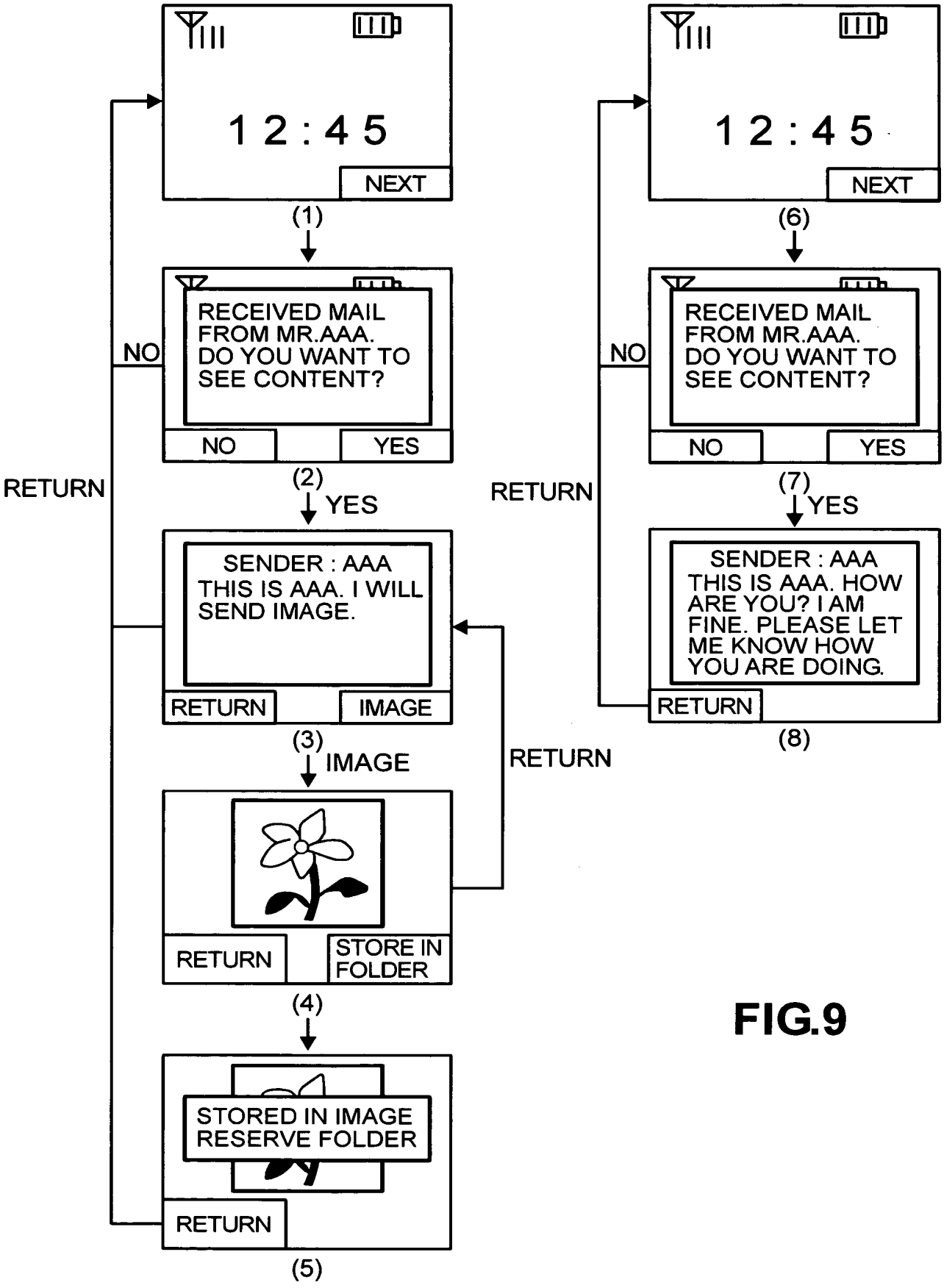
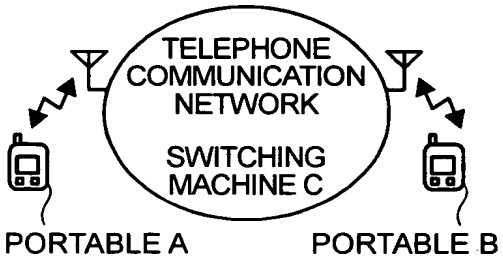

12:45
NEXT
(1)
RECEIVED MAIL FROM MR.AAA. DO YOU WANT TO SEE CONTENT?
NO
YES
(2)
YES
NO
RETURN
SENDER : AAA
THIS IS AAA. I WILL SEND IMAGE.
RETURN
IMAGE
(3)
IMAGE
RETURN
RETURN
STORE IN FOLDER
(4)
STORED IN IMAGE RESERVE FOLDER
RETURN
(5)
12:45
NEXT
(6)
RECEIVED MAIL FROM MR.AAA. DO YOU WANT TO SEE CONTENT?
NO
YES
(7)
YES
NO
RETURN
SENDER : AAA
THIS IS AAA. HOW ARE YOU? I AM FINE. PLEASE LET ME KNOW HOW YOU ARE DOING.
RETURN
(8)
RETURN

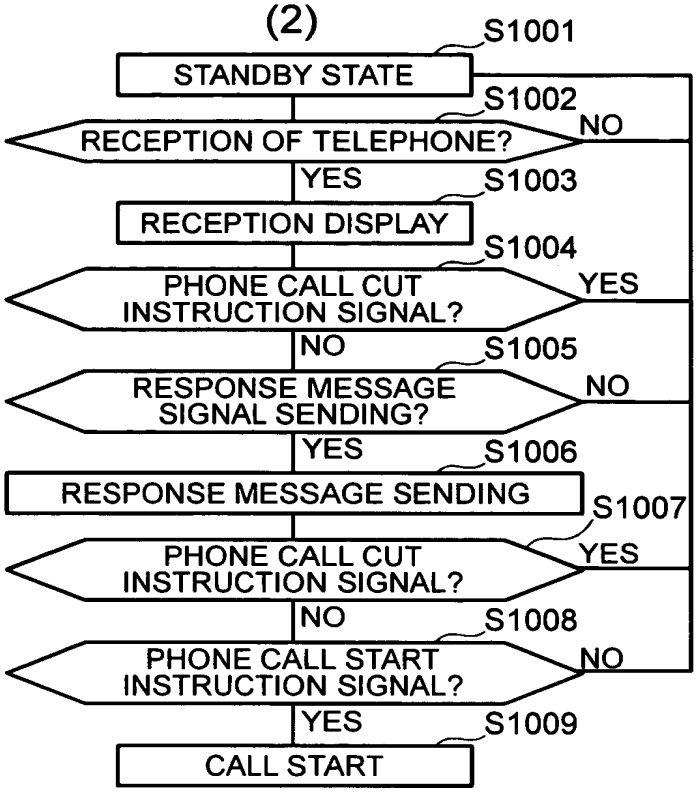
FIG.9

FIG.10

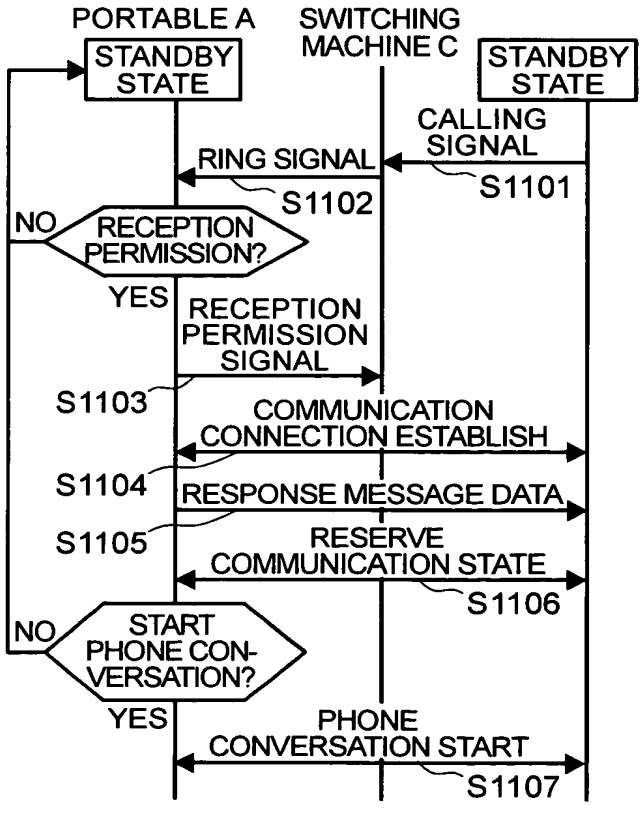
(1)


TELEPHONE COMMUNICATION NETWORK
SWITCHING MACHINE C
PORTABLE A
PORTABLE B

(2)


S1001
STANDBY STATE
S1002
RECEPTION OF TELEPHONE?
NO
YES
S1003
RECEPTION DISPLAY
S1004
PHONE CALL CUT INSTRUCTION SIGNAL?
YES
NO
S1005
RESPONSE MESSAGE SIGNAL SENDING?
NO
YES
S1006
RESPONSE MESSAGE SENDING
S1007
PHONE CALL CUT INSTRUCTION SIGNAL?
YES
NO
S1008
PHONE CALL START INSTRUCTION SIGNAL?
NO
YES
S1009
CALL START

(3)


PORTABLE A
SWITCHING MACHINE C
STANDBY STATE
STANDBY STATE
CALLING SIGNAL
RING SIGNAL
S1101
S1102
NO
RECEPTION PERMISSION?
YES
RECEPTION PERMISSION SIGNAL
S1103
COMMUNICATION CONNECTION ESTABLISH
S1104
RESPONSE MESSAGE DATA
S1105
RESERVE COMMUNICATION STATE
S1106
NO
START PHONE CONVERSATION?
YES
PHONE CONVERSATION START
S1107

(4)

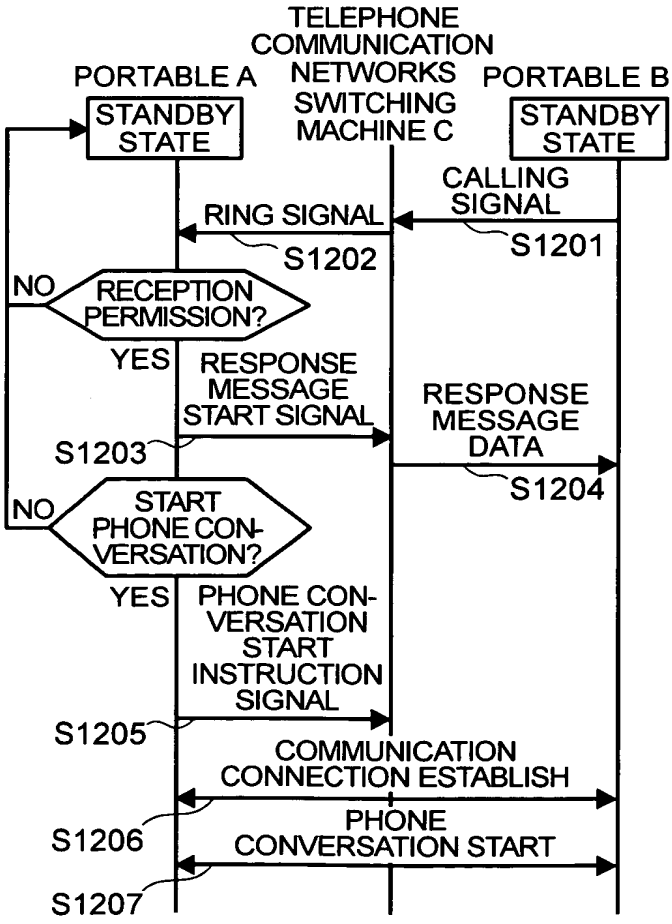

TELEPHONE COMMUNICATION NETWORKS SWITCHING MACHINE C
PORTABLE A
PORTABLE B
STANDBY STATE
STANDBY STATE
CALLING SIGNAL
RING SIGNAL
S1201
S1202
NO
RECEPTION PERMISSION?
YES
RESPONSE MESSAGE START SIGNAL
S1203
RESPONSE MESSAGE DATA
S1204
NO
START PHONE CONVERSATION?
YES
PHONE CONVERSATION START INSTRUCTION SIGNAL
S1205
COMMUNICATION CONNECTION ESTABLISH
S1206
PHONE CONVERSATION START
S1207

FIG.11

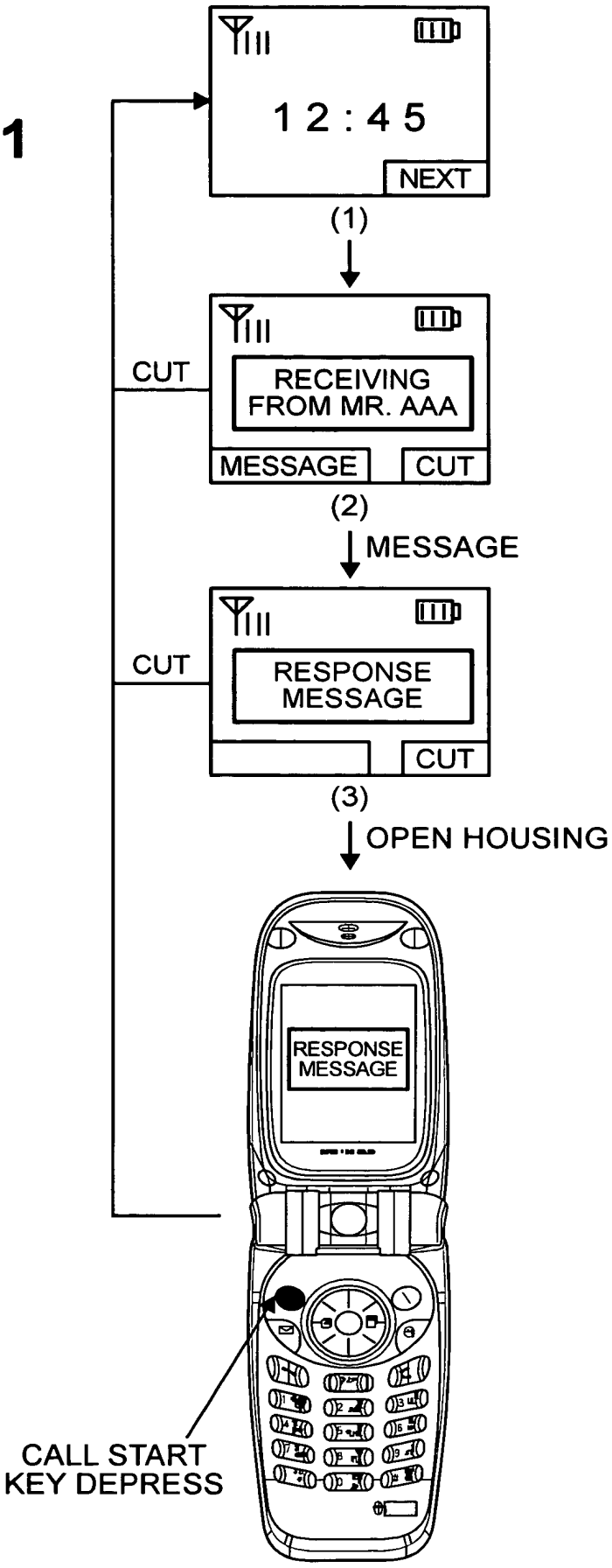

12:45
NEXT
(1)
CUT
RECEIVING FROM MR. AAA
MESSAGE
CUT
(2)
MESSAGE
CUT
RESPONSE MESSAGE
CUT
(3)
OPEN HOUSING
RESPONSE MESSAGE
CALL START KEY DEPRESS

FIG.12

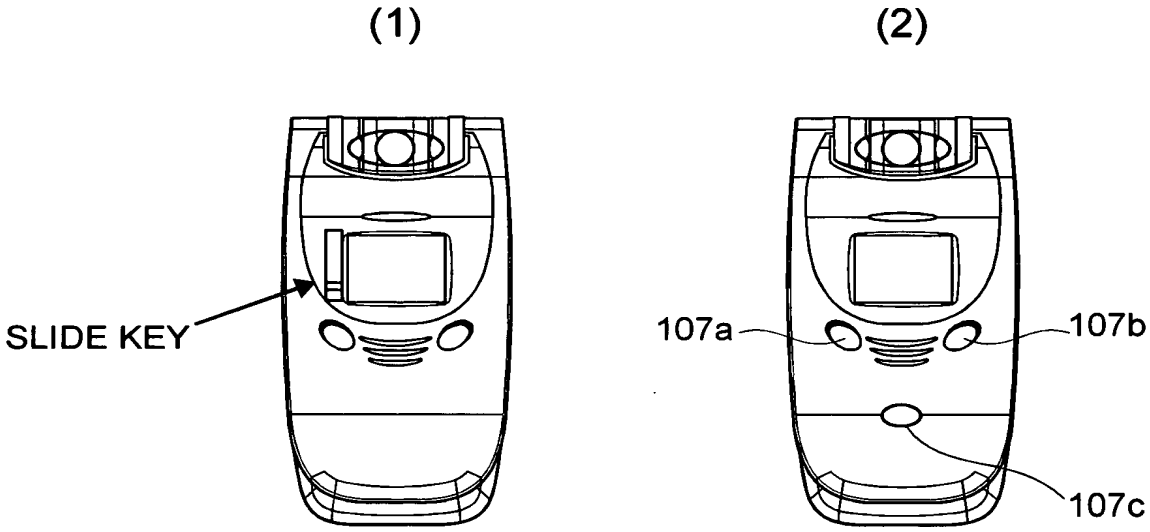
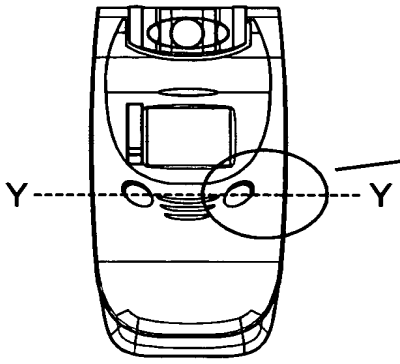
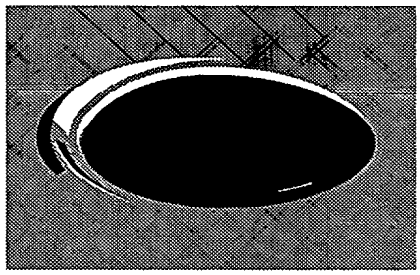


FIG.13

(1)


Y
Y

(2)



(3)

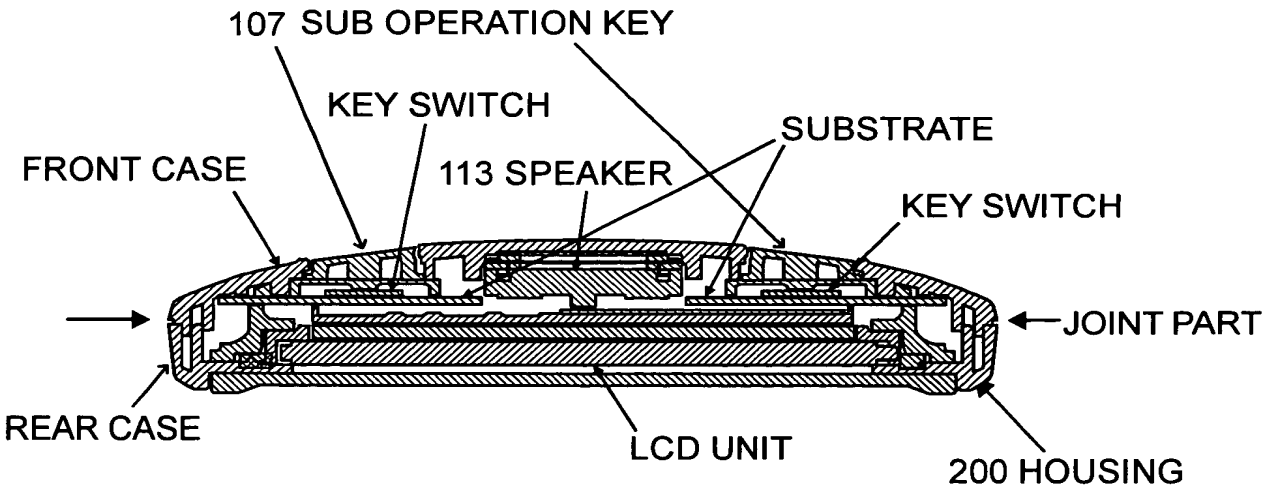

107 SUB OPERATION KEY
KEY SWITCH
SUBSTRATE
FRONT CASE
113 SPEAKER
KEY SWITCH
JOINT PART
REAR CASE
LCD UNIT
200 HOUSING

FIG.14

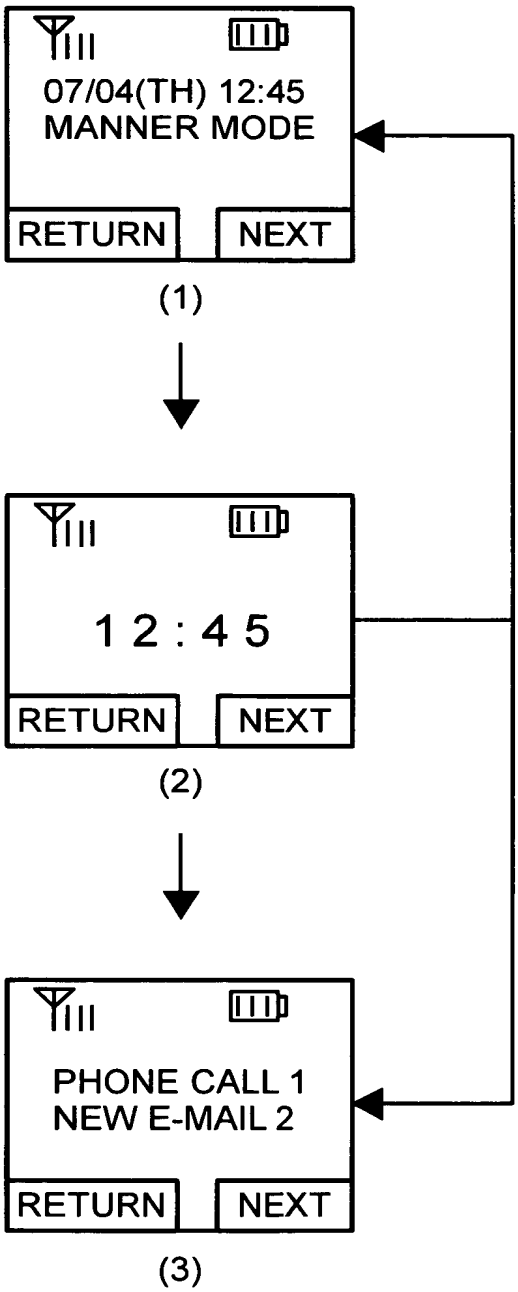
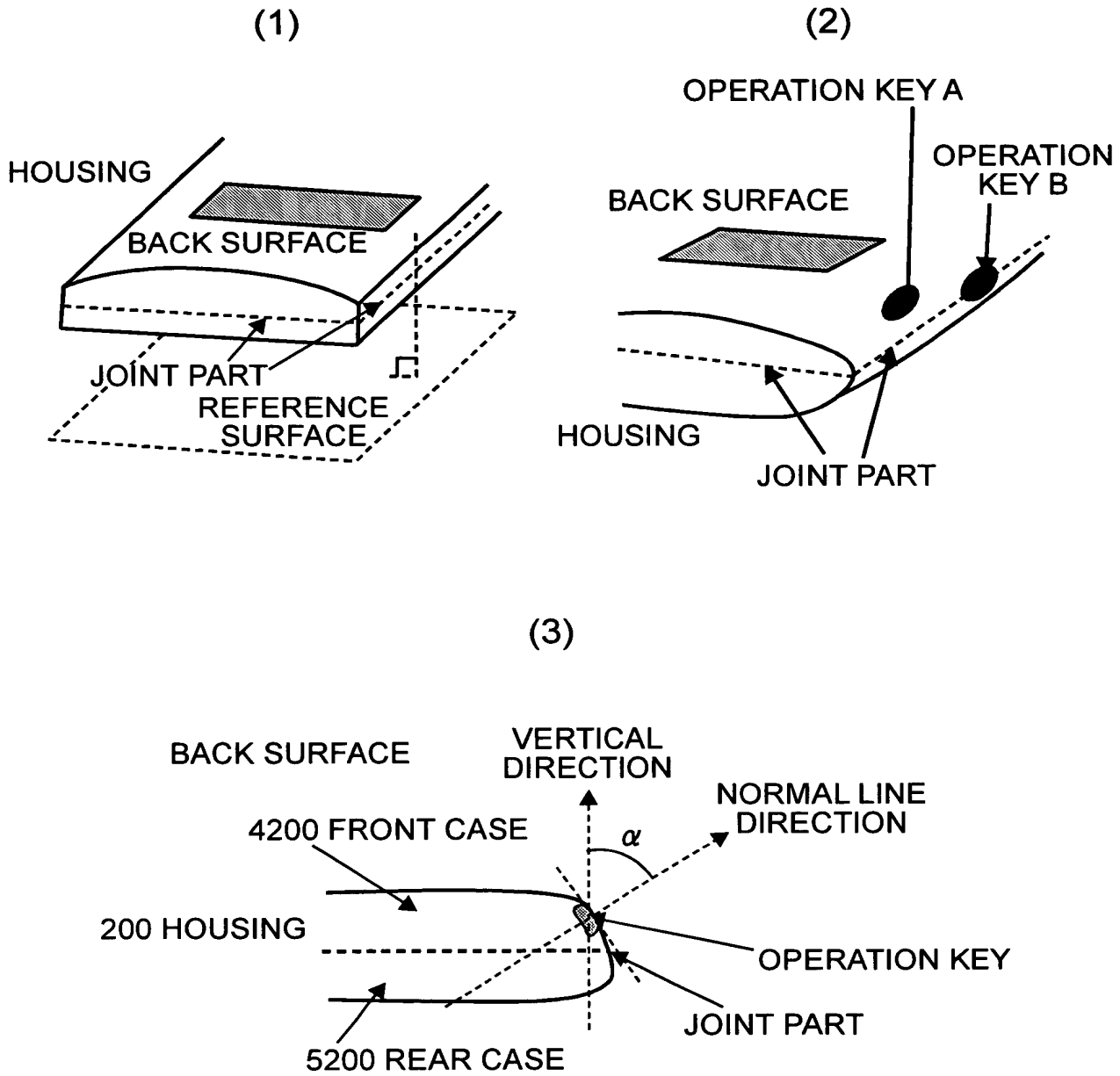

07/04(TH) 12:45
MANNER MODE
RETURN
NEXT
(1)
12:45
RETURN
NEXT
(2)
PHONE CALL 1
NEW E-MAIL 2
RETURN
NEXT
(3)

FIG.15


(1)
HOUSING
BACK SURFACE
JOINT PART
REFERENCE SURFACE
(2)
OPERATION KEY A
OPERATION KEY B
BACK SURFACE
HOUSING
JOINT PART
(3)
BACK SURFACE
VERTICAL DIRECTION
NORMAL LINE DIRECTION
4200 FRONT CASE
α
200 HOUSING
OPERATION KEY
JOINT PART
5200 REAR CASE